

WEST Search History

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DATE: Monday, September 11, 2006

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,EPAB; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L47	L46 not @py>1999	21
<input type="checkbox"/>	L46	l45 and (metal or radiometal or radionuclide)	40
<input type="checkbox"/>	L45	L44 and l14	48
<input type="checkbox"/>	L44	l41 not @ay>1999	50
<input type="checkbox"/>	L43	L42 and l41	0
<input type="checkbox"/>	L42	(alberto or hafliger).in.	6972
<input type="checkbox"/>	L41	l39 and l7	63
<input type="checkbox"/>	L40	(530/391.1,391.3,391.5,391.7,391.9)![CCLS]	2453
<input type="checkbox"/>	L39	(424/179.1,181.1,182.1)![CCLS]	482
<input type="checkbox"/>	L38	6844425.pn.	1
<input type="checkbox"/>	L37	L36 and l7	13
<input type="checkbox"/>	L36	gamma SAME L35	40
<input type="checkbox"/>	L35	90Y	475
<input type="checkbox"/>	L34	l32 and b174\$	1
<input type="checkbox"/>	L33	l32 and b17	0
<input type="checkbox"/>	L32	(5730968).pn.	1
<input type="checkbox"/>	L31	(4837169 or 4859777).pn.	2
<input type="checkbox"/>	L30	L29 not @ay>1998	7
<input type="checkbox"/>	L29	L28 and radio\$	35
<input type="checkbox"/>	L28	L27 and L14	52
<input type="checkbox"/>	L27	L25 and L24	78
<input type="checkbox"/>	L26	L25 and L4	6911
<input type="checkbox"/>	L25	L3.ab.	41880
<input type="checkbox"/>	L24	L4.clm.	7811
<input type="checkbox"/>	L23	L22 and L14	47
<input type="checkbox"/>	L22	L21 not @py>1999	51
<input type="checkbox"/>	L21	L20 and metal	143
<input type="checkbox"/>	L20	L19 and radio\$	203
<input type="checkbox"/>	L19	L12 and L3	404
<input type="checkbox"/>	L18	L17.ab.	1857

<input type="checkbox"/>	L17	benzimidazole	26369
<input type="checkbox"/>	L16	L15 and radioactive	7
<input type="checkbox"/>	L15	L14 and L13	8
<input type="checkbox"/>	L14	cancer\$ or tumor\$ or neoplas\$	199336
<input type="checkbox"/>	L13	L12 and L11	8
<input type="checkbox"/>	L12	L4.ab.	3344
<input type="checkbox"/>	L11	metal and L10	264
<input type="checkbox"/>	L10	L9 not @py>1999	373
<input type="checkbox"/>	L9	L8 and L1	6564
<input type="checkbox"/>	L8	L7 and L6 and L2	31875
<input type="checkbox"/>	L7	porphyrin or ellipticine or phenantroline or carbazole or benzimidazole or tetracycline	87046
<input type="checkbox"/>	L6	conjugat\$ or link\$ or coupl\$ or join\$	3007357
<input type="checkbox"/>	L5	L4 and L3	30643
<input type="checkbox"/>	L4	porphyrin or ellipticine or phenantroline or carboazole or benzimidazole or tetracycline	71805
<input type="checkbox"/>	L3	somatostatin\$ or neurotensin\$ or bombesin\$ or antibod\$ or penetratine\$	178721
<input type="checkbox"/>	L2	somatostatin or neurotensin or bombesin or antibod\$ or penetratine\$	178700
<input type="checkbox"/>	L1	intercalat\$	27483

END OF SEARCH HISTORY

NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 08:40:24 ON 11 SEP 2006

=> file caplus		SINCE FILE	TOTAL
COST IN U.S. DOLLARS		ENTRY	SESSION
FULL ESTIMATED COST		0.21	0.21

FILE 'CAPLUS' ENTERED AT 08:40:57 ON 11 SEP 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s us 20050019254/pn
L1 1 US 20050019254/PN
 (US20050019254/PN)

=> sel rn

E1 THROUGH E39 ASSIGNED

=> file reg		SINCE FILE	TOTAL
COST IN U.S. DOLLARS		ENTRY	SESSION
FULL ESTIMATED COST		2.49	2.70

FILE 'REGISTRY' ENTERED AT 08:41:19 ON 11 SEP 2006
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PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2006 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s e1-e39

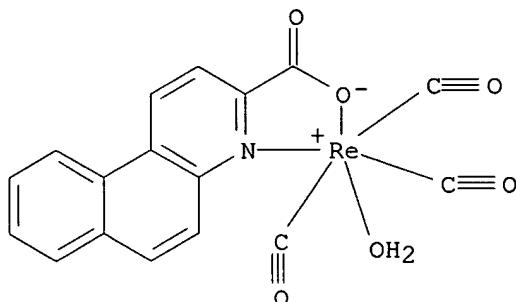
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1 105-36-2/BI (105-36-2/RN)
1 111-40-0/BI (111-40-0/RN)
1 112-24-3/BI (112-24-3/RN)
1 12678-01-2/BI (12678-01-2/RN)
1 14133-76-7/BI (14133-76-7/RN)
1 14378-26-8/BI (14378-26-8/RN)
1 14998-63-1/BI (14998-63-1/RN)
1 193206-49-4/BI (193206-49-4/RN)
1 20830-81-3/BI (20830-81-3/RN)
1 24424-99-5/BI (24424-99-5/RN)
1 25908-22-9/BI (25908-22-9/RN)
1 260-94-6/BI (260-94-6/RN)
1 26455-95-8/BI (26455-95-8/RN)
1 289661-18-3/BI (289661-18-3/RN)
1 289661-19-4/BI

(289661-19-4/RN)
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1 289661-29-6/BI
(289661-29-6/RN)
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(289705-40-4/RN)
1 289705-41-5/BI
(289705-41-5/RN)
1 51-17-2/BI
(51-17-2/RN)
1 519-23-3/BI
(519-23-3/RN)
1 5470-96-2/BI
(5470-96-2/RN)
1 56420-45-2/BI
(56420-45-2/RN)
1 59065-50-8/BI
(59065-50-8/RN)
1 65271-80-9/BI
(65271-80-9/RN)
1 7439-96-5/BI
(7439-96-5/RN)
1 85-02-9/BI
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1 86-74-8/BI
(86-74-8/RN)
1 91-63-4/BI
(91-63-4/RN)
1 98-88-4/BI
(98-88-4/RN)
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12678-01-2/BI OR 14133-76-7/BI OR 14378-26-8/BI OR 14998-63-1/BI
OR 193206-49-4/BI OR 20830-81-3/BI OR 24424-99-5/BI OR 25908-22-
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5470-96-2/BI OR 56420-45-2/BI OR 59065-50-8/BI OR 65271-80-9/BI
OR 7439-96-5/BI OR 85-02-9/BI OR 86-74-8/BI OR 91-63-4/BI OR
98-88-4/BI)

=> d 1-39

L2 ANSWER 1 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289705-41-5 REGISTRY
ED Entered STN: 20 Sep 2000

CN Rhenium, aqua(benzo[f]quinoline-3-carboxylato-
 κ N4, κ O3)tricarbonyl-, (OC-6-44)- (9CI) (CA INDEX NAME)
 MF C17 H10 N O6 Re
 CI CCS
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

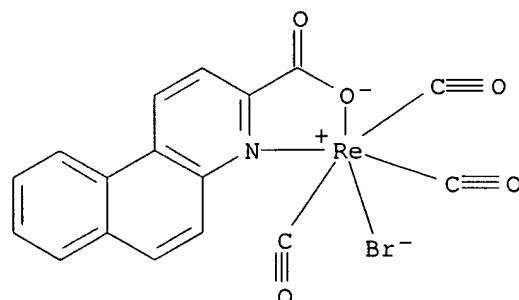


1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 2 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 289705-40-4 REGISTRY
 ED Entered STN: 20 Sep 2000
 CN Ethanaminium, N,N,N-triethyl-, (OC-6-44)-(benzo[f]quinoline-3-carboxylato-
 κ N4, κ O3)bromotricarbonylrhenate(1-) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Rhenate(1-), (benzo[f]quinoline-3-carboxylato-
 κ N4, κ O3)bromotricarbonyl-, (OC-6-44)-, N,N,N-
 triethylethanaminium (9CI)
 MF C17 H8 Br N O5 Re . C8 H20 N
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

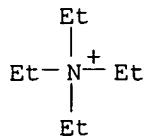
CM 1

CRN 289705-39-1
 CMF C17 H8 Br N O5 Re
 CCI CCS



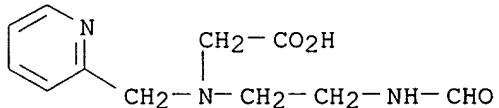
CM 2

CRN 66-40-0
 CMF C8 H20 N



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

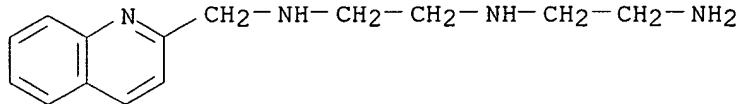
L2 ANSWER 3 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 289661-29-6 REGISTRY
 ED Entered STN: 19 Sep 2000
 CN Glycine, N-[2-(formylamino)ethyl]-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C11 H15 N3 O3
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 4 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 289661-28-5 REGISTRY
 ED Entered STN: 19 Sep 2000
 CN 1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-quinolinylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)
 MF C14 H20 N4 . x Cl H
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
 CRN (289661-24-1)

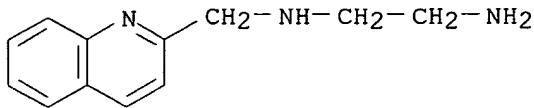


● x HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 5 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 289661-27-4 REGISTRY
 ED Entered STN: 19 Sep 2000
 CN 1,2-Ethanediamine, N-(2-quinolinylmethyl)-, hydrochloride (9CI) (CA INDEX NAME)
 MF C12 H15 N3 . x Cl H
 SR CA

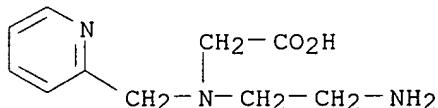
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (289661-21-8)



• x HCl

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

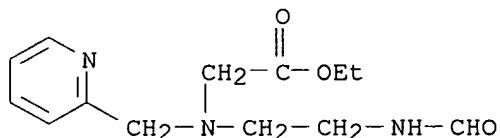
L2 ANSWER 6 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-26-3 REGISTRY
ED Entered STN: 19 Sep 2000
CN Glycine, N-(2-aminoethyl)-N-(2-pyridinylmethyl)- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C10 H15 N3 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 7 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-25-2 REGISTRY
ED Entered STN: 19 Sep 2000
CN Glycine, N-[2-(formylamino)ethyl]-N-(2-pyridinylmethyl)-, ethyl ester
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C13 H19 N3 O3
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

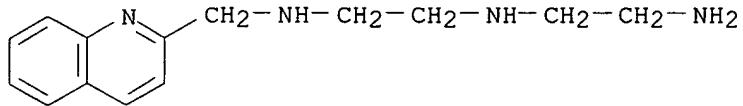


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 8 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

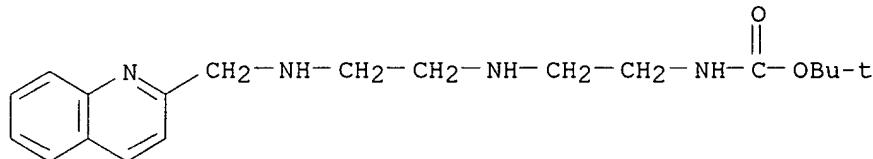
RN 289661-24-1 REGISTRY
 ED Entered STN: 19 Sep 2000
 CN 1,2-Ethanediamine, N-(2-aminoethyl)-N'-(2-quinolinylmethyl)- (9CI) (CA
 INDEX NAME)
 FS 3D CONCORD
 MF C14 H20 N4
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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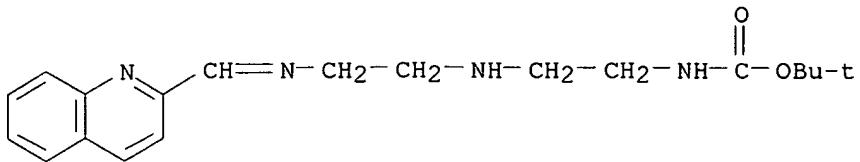
L2 ANSWER 9 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 289661-23-0 REGISTRY
 ED Entered STN: 19 Sep 2000
 CN Carbamic acid, [2-[[2-[(2-quinolinylmethyl)amino]ethyl]amino]ethyl]-,
 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H28 N4 O2
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

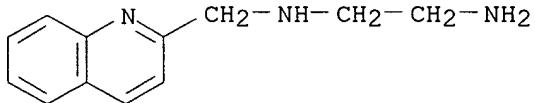
L2 ANSWER 10 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 289661-22-9 REGISTRY
 ED Entered STN: 19 Sep 2000
 CN Carbamic acid, [2-[[2-[(2-quinolinylmethylene)amino]ethyl]amino]ethyl]-,
 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H26 N4 O2
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

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 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

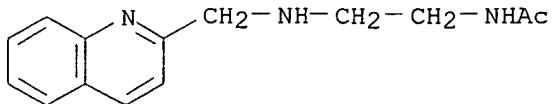
L2 ANSWER 11 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 289661-21-8 REGISTRY
 ED Entered STN: 19 Sep 2000
 CN 1,2-Ethanediamine, N-(2-quinolinylmethyl)- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C12 H15 N3
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 12 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 289661-20-7 REGISTRY
 ED Entered STN: 19 Sep 2000
 CN Acetamide, N-[2-[(2-quinolinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C14 H17 N3 O
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

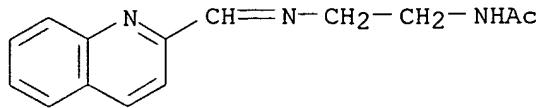


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 13 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 289661-19-4 REGISTRY
 ED Entered STN: 19 Sep 2000
 CN Acetamide, N-[2-[(2-quinolinylmethylene)amino]ethyl]- (9CI) (CA INDEX

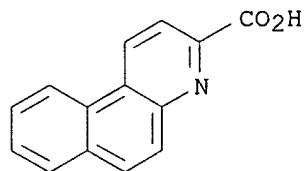
NAME)
FS 3D CONCORD
MF C14 H15 N3 O
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

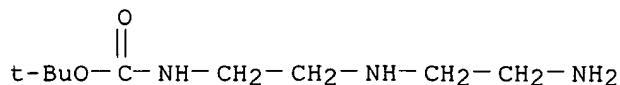
L2 ANSWER 14 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 289661-18-3 REGISTRY
ED Entered STN: 19 Sep 2000
CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)
MF C14 H9 N O2 . Br H
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
CRN (65714-31-0)



● HBr

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

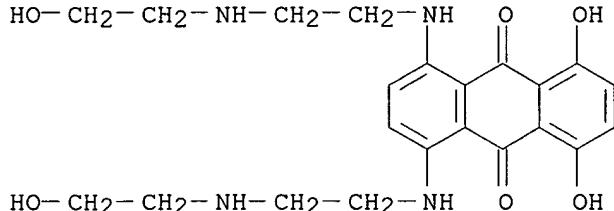
L2 ANSWER 15 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 193206-49-4 REGISTRY
ED Entered STN: 28 Aug 1997
CN Carbamic acid, [2-[(2-aminoethyl)amino]ethyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C9 H21 N3 O2
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT, CHEMCATS, CSCHEM, TOXCENTER, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

7 REFERENCES IN FILE CA (1907 TO DATE)
7 REFERENCES IN FILE CAPLUS (1907 TO DATE)

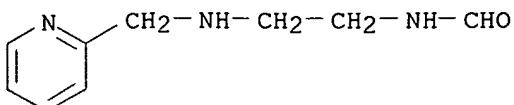
L2 ANSWER 16 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 65271-80-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN 9,10-Anthracenedione, 1,4-dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]- (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,4-Bis[(2-(2-hydroxyethylamino)ethyl)amino]-5,8-dihydroxyanthraquinone
CN 1,4-Dihydroxy-5,8-bis-[[2-[(2-hydroxyethyl)amino]ethyl]amino]anthraquinone
CN 1,4-Dihydroxy-5,8-bis[[2-[(2-hydroxyethyl)amino]ethyl]amino]-9,10-anthracenedione
CN DHAQ
CN Dihydroxyanthraquinone
CN Mitoxanthrone
CN Mitoxantrone
CN Mitozantrone
CN Novantron
CN Novantrone
CN NSC 279836
CN Ralenova
FS 3D CONCORD
DR 137635-96-2, 70945-62-9
MF C22 H28 N4 O6
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, ULIDAT, USAN, USPAT2, USPATFULL, VETU
(*File contains numerically searchable property data)
Other Sources: WHO



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2976 REFERENCES IN FILE CA (1907 TO DATE)
104 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2985 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 17 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 59065-50-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN Formamide, N-[2-[(2-pyridinylmethyl)amino]ethyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C9 H13 N3 O
LC STN Files: CA, CAPLUS, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPATFULL

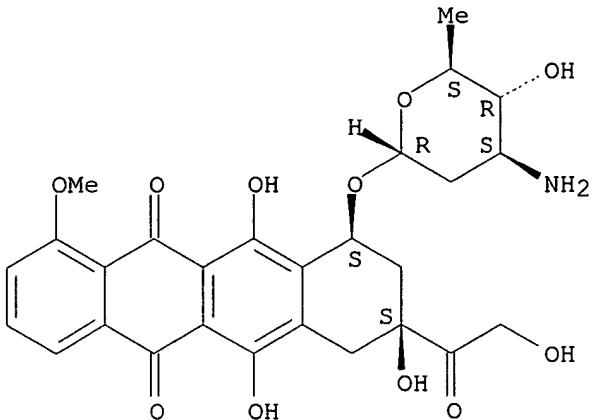


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2 REFERENCES IN FILE CA (1907 TO DATE)
 2 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 18 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 56420-45-2 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- α -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S,10S)- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN 5,12-Naphthacenedione, 10-[(3-amino-2,3,6-trideoxy- α -L-arabino-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-8-(hydroxyacetyl)-1-methoxy-, (8S-cis)-
 OTHER NAMES:
 CN 4'-epi-Adriamycin
 CN 4'-epi-Doxorubicin
 CN 4'-Epi-DX
 CN 4'-Epiadriamycin
 CN 4'-Epidoxorubicin
 CN Epiadriamycin
 CN Epidoxorubicin
 CN Epirubicin
 CN Farmarubicin
 CN Farmarubicine
 CN IMI 28
 CN NSC 256942
 CN Pharmarubicin
 CN Pidorubicin
 CN WP 697
 FS STEREOSEARCH
 DR 57918-25-9
 MF C27 H29 N O11
 CI COM
 LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAPLUS, CBNB, CHEMCATS, CIN, CSCHEM, DDFU, DRUGU, EMBASE, HSDB*, IMSCOSEARCH, IMSDRUGNEWS, IMSPATENTS, IMSRESEARCH, IPA, MEDLINE, MRCK*, NAPRALERT, PHAR, PROMT, PROUSDDR, PS, RTECS*, SCISEARCH, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: WHO

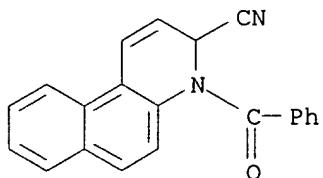
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

2331 REFERENCES IN FILE CA (1907 TO DATE)
 93 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2336 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L2 ANSWER 19 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 26455-95-8 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Benzo[f]quinoline-3-carbonitrile, 4-benzoyl-3,4-dihydro- (7CI, 8CI, 9CI)
 (CA INDEX NAME)
 OTHER NAMES:
 CN 1-Benzoyl-1,2-dihydrobenzo[f]quinaldonitrile
 CN NSC 96541
 FS 3D CONCORD
 MF C21 H14 N2 O
 LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8 REFERENCES IN FILE CA (1907 TO DATE)
 8 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

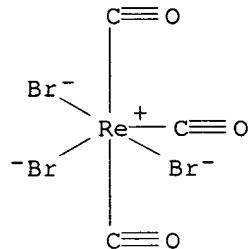
L2 ANSWER 20 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 25908-22-9 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Ethanaminium, N,N,N-triethyl-, (OC-6-22)-tribromotricarbonylrhenate(2-)
 (2:1) (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Ammonium, tetraethyl-, tribromotricarbonylrhenate(2-) (2:1), cis- (8CI)
 CN Rhenate(2-), tribromotricarbonyl-, (OC-6-22)-, bis(N,N,N-
 triethyllethanaminium) (9CI)
 CN Rhenate(2-), tribromotricarbonyl-, bis(tetraethylammonium), cis- (8CI)

OTHER NAMES:

CN Bis(tetraethylammonium) fac-tribromotricarbonylrhenate
CN Bis(tetraethylammonium) fac-tribromotricarbonylrhenate(2-)
CN Bis(tetraethylammonium) tribromotricarbonylrhenate(2-)
CN fac-Bis(tetraethylammonium) tribromotricarbonylrhenate(2-)
MF C8 H20 N . 1/2 C3 Br3 O3 Re
LC STN Files: CA, CPLUS, CASREACT, GMELIN*, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

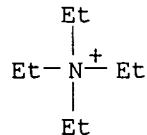
CM 1

CRN 44863-71-0
CMF C3 Br3 O3 Re
CCI CCS



CM 2

CRN 66-40-0
CMF C8 H20 N



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

125 REFERENCES IN FILE CA (1907 TO DATE)
125 REFERENCES IN FILE CPLUS (1907 TO DATE)

L2 ANSWER 21 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 24424-99-5 REGISTRY
ED Entered STN: 16 Nov 1984
CN Dicarbonic acid, bis(1,1-dimethylethyl) ester (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Formic acid, oxydi-, di-tert-butyl ester (7CI, 8CI)
OTHER NAMES:
CN Bis(1,1-dimethylethyl) dicarbonate
CN Bis(tert-butyl) dicarbonate
CN BOC-anhydride
CN Di-tert-butyl dicarbonate
CN Di-tert-butyl oxydiformate
CN Di-tert-butyl pyrocarbonate
CN Pyrocarbonic acid di-tert-butyl ester
CN tert-Butoxycarbonyl anhydride
CN tert-Butyl dicarbonate
FS 3D CONCORD

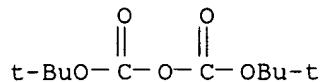
MF C10 H18 O5

CI COM

LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, GMELIN*, IPA, MEDLINE, MSDS-OHS, PROMT, PS, RTECS*, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4922 REFERENCES IN FILE CA (1907 TO DATE)

155 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

4941 REFERENCES IN FILE CAPLUS (1907 TO DATE)

1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 22 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 20830-81-3 REGISTRY

ED Entered STN: 16 Nov 1984

CN 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy- α -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S,10S)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 5,12-Naphthacenedione, 8-acetyl-10-[(3-amino-2,3,6-trideoxy- α -L-lyxo-hexopyranosyl)oxy]-7,8,9,10-tetrahydro-6,8,11-trihydroxy-1-methoxy-, (8S-cis)-

CN Daunomycin (8CI)

OTHER NAMES:

CN (+)-Daunomycin

CN Acetyladriamycin

CN Cerubidin

CN Daunoblastina

CN Daunomycine

CN Daunorubicin

CN Daunorubicine

CN DaunoXome

CN Leukaemomycin C

CN NSC 82151

CN NSC 83142

CN RP 13057

CN Rubidomycin

CN Rubomycin C

FS STEREOSEARCH

DR 11006-54-5, 11048-29-6, 1407-15-4, 23942-76-9, 149541-57-1, 27576-81-4, 28020-80-6

MF C27 H29 N O10

CI COM

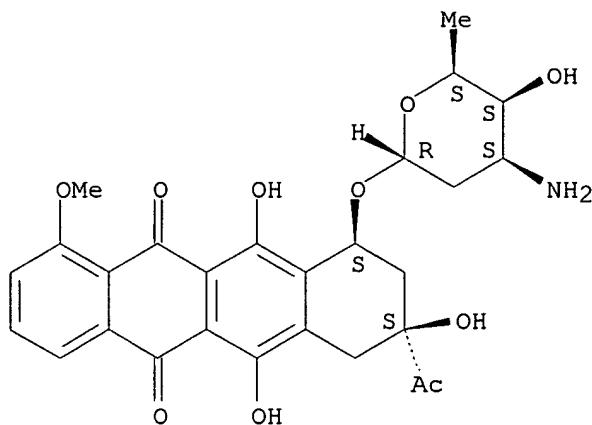
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DRUGU, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PHAR, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USAN, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**, WHO

(**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6301 REFERENCES IN FILE CA (1907 TO DATE)
667 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6308 REFERENCES IN FILE CAPLUS (1907 TO DATE)
2 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 23 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 14998-63-1 REGISTRY
ED Entered STN: 16 Nov 1984
CN Rhenium, isotope of mass 186 (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 186Re
CN Re 186
CN Re-186
CN Rhenium-186
MF Re
CI COM
LC STN Files: ADISNEWS, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS,
CBNB, CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

186Re

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1121 REFERENCES IN FILE CA (1907 TO DATE)
402 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1123 REFERENCES IN FILE CAPLUS (1907 TO DATE)
6 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 24 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 14378-26-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN Rhenium, isotope of mass 188 (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 188Re
CN Re 188
CN Rhenium-188
MF Re
CI COM
SR CA

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CIN, IPA, PROMT, TOXCENTER, USPAT2, USPATFULL

188Re

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1216 REFERENCES IN FILE CA (1907 TO DATE)
477 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1218 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 25 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 14133-76-7 REGISTRY

ED Entered STN: 16 Nov 1984

CN Technetium, isotope of mass 99 (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 99Tc

CN Tc 99

CN Technetium-99

MF Tc

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMLIST, CIN, CSNB, EMBASE, IFICDB, IFIPAT, IFIUDB, IPA, MSDS-OHS, PROMT, TOXCENTER, USPAT2, USPATFULL

99Tc

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9189 REFERENCES IN FILE CA (1907 TO DATE)
3642 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
9196 REFERENCES IN FILE CAPLUS (1907 TO DATE)
27 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 26 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 12678-01-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN Phenanthroline (7CI, 9CI) (CA INDEX NAME)

MF C12 H8 N2

CI COM, MAN

LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CIN, DETHERM*, EMBASE, IFICDB, IFIPAT, IFIUDB, PIRA, PROMT, TOXCENTER, TULSA, USPAT2, USPATFULL

(*File contains numerically searchable property data)

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

265 REFERENCES IN FILE CA (1907 TO DATE)
84 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
267 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 27 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 7439-96-5 REGISTRY

ED Entered STN: 16 Nov 1984

CN Manganese (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Colloidal manganese

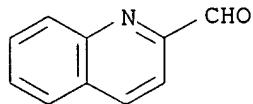
CN Cutaval
CN JIS-G 1213
CN Manganese element
CN Manganese fulleride (MnC₂₀)
CN Manganese-55
DR 8031-40-1, 8075-39-6, 17375-02-9, 39303-06-5, 195161-78-5
MF Mn
CI COM
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BIOSIS, BIOTECHNO, CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT, RTECS*, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

Mn

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

182431 REFERENCES IN FILE CA (1907 TO DATE)
9241 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
182655 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 28 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 5470-96-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN 2-Quinolinecarboxaldehyde (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Quinaldaldehyde (6CI, 7CI, 8CI)
OTHER NAMES:
CN 2-Formylquinoline
CN 2-Quinolinecarbaldehyde
CN 2-Quinolylaldehyde
CN 2-Quinolylcarbaldehyde
CN NSC 27026
FS 3D CONCORD
MF C₁₀ H₇ N O
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, GMELIN*, IFICDB, IFIPAT, IFIUDB, PS, SPECINFO, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)

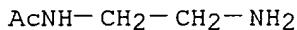


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

449 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

451 REFERENCES IN FILE CAPLUS (1907 TO DATE)
29 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

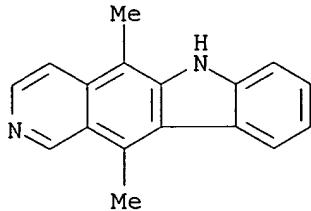
L2 ANSWER 29 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 1001-53-2 REGISTRY
ED Entered STN: 16 Nov 1984
CN Acetamide, N-(2-aminoethyl)- (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,2-Ethanediamine, N-acetyl-
CN 2-(Acetylamino)ethylamine
CN 2-Acetamido-1-ethanamine
CN 2-Acetamidoethylamine
CN N-(2-Aminoethyl)acetamide
CN N-Acetyl-1,2-diaminoethane
CN N-Acetyl-1,2-ethanediamine
CN N-Acetyl-1,2-ethylenediamine
CN N-Acetylenethylenediamine
CN N-Monoacetylenethylenediamine
CN N1-Acetylenethylenediamine
CN NSC 28936
FS 3D CONCORD
MF C4 H10 N2 O
CI COM
LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CSCHEM, IFICDB, IFIPAT, IFIUDB, IPA, SYNTHLINE,
TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

403 REFERENCES IN FILE CA (1907 TO DATE)
10 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
404 REFERENCES IN FILE CAPLUS (1907 TO DATE)
7 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 30 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 519-23-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN 6H-Pyrido[4,3-b]carbazole, 5,11-dimethyl- (7CI, 8CI, 9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ellipticine (6CI)
OTHER NAMES:
CN 5,11-Dimethyl-6H-pyrido[4,3-b]carbazole
CN CP 5
CN NSC 71795
FS 3D CONCORD
MF C17 H14 N2
CI COM
LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD,
CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU,
EMBASE, IPA, MEDLINE, MRCK*, NAPRALERT, PROMT, RTECS*, SPECINFO,
TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

652 REFERENCES IN FILE CA (1907 TO DATE)
 138 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 653 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 31 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 260-94-6 REGISTRY

ED Entered STN: 16 Nov 1984

CN Acridine (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN 10-Azaanthracene

CN 2,3-Benzoquinoline

CN 9-Azaanthracene

CN Benzo[b]quinoline

CN Dibenzo[b,e]pyridine

CN NSC 3408

FS 3D CONCORD

MF C13 H9 N

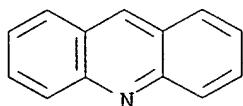
CI COM, RPS

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB

(*File contains numerically searchable property data)

Other Sources: EINECS**, NDSL**, TSCA**

(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4531 REFERENCES IN FILE CA (1907 TO DATE)
 625 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 4538 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 32 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 112-24-3 REGISTRY

ED Entered STN: 16 Nov 1984

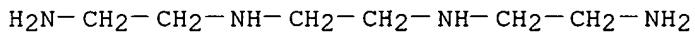
CN 1,2-Ethanediamine, N,N'-bis(2-aminoethyl)- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Triethylenetetramine (8CI)

OTHER NAMES:

CN 1,4,7,10-Tetraazadecane
CN 1,8-Diamino-3,6-diazaoctane
CN 3,6-Diazaoctane-1,8-diamine
CN Ancamine TETA
CN Araldite Hardener HY 951
CN Araldite HY 951
CN DEH 24
CN Epicure 3234
CN HY 951
CN N,N'-Bis(2-aminoethyl)-1,2-diaminoethane
CN N,N'-Bis(2-aminoethyl)-1,2-ethanediamine
CN N,N'-Bis(2-aminoethyl)ethylenediamine
CN NSC 443
CN RT 1AX
CN Rutapox VE 2896
CN TECZA
CN TETA
CN TETA (crosslinking agent)
CN Trien
CN Trientine
CN VE 2896
CN Z1
FS 3D CONCORD
DR 801997-18-2, 14175-14-5, 105093-20-7, 71124-11-3, 39421-77-7, 110670-33-2,
193487-08-0
MF C6 H18 N4
CI COM
LC STN Files: ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*,
BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS,
CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*,
DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*,
HSDB*, IFICDB, IFIPAT, IFIUDB, IMSDRUGNEWS, IMSRESEARCH, IPA, MEDLINE,
MRCK*, MSDS-OHS, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE,
TOXCENTER, TULSA, ULIDAT, USAN, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**, WHO
(**Enter CHEMLIST File for up-to-date regulatory information)

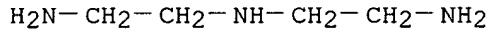


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5943 REFERENCES IN FILE CA (1907 TO DATE)
1697 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5949 REFERENCES IN FILE CAPLUS (1907 TO DATE)
114 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 33 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 111-40-0 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1,2-Ethanediamine, N-(2-aminoethyl)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Diethylenetriamine (8CI)
OTHER NAMES:
CN 1,4,7-Triazaheptane
CN 1,5-Diamino-3-azapentane
CN 2,2'-Diaminodiethylamine
CN 2,2'-Iminobis(ethanamine)
CN 2-(2-Aminoethylamino)ethylamine
CN 3-Azapentane-1,5-diamine

CN Ancamine DETA
 CN Bis(β-aminoethyl)amine
 CN Bis(2-aminoethyl)amine
 CN ChS-P 1
 CN DEH 20
 CN DETA
 CN Epicure T
 CN Epon 3223
 CN H 9506
 CN N,N-Bis(2-aminoethyl)amine
 CN N-(2-Aminoethyl)-1,2-ethanediamine
 CN N-(2-Aminoethyl)ethylenediamine
 CN NCI 138881
 CN NSC 446
 FS 3D CONCORD
 DR 859039-00-2, 8076-55-9, 53303-76-7, 54018-92-7, 59135-90-9, 94700-17-1,
 98824-35-2, 73989-30-7, 26915-78-6, 419553-44-9
 MF C4 H13 N3
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA,
 CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST,
 CHEMSAFE, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT,
 ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT,
 IFIUDB, IPA, MEDLINE, MSDS-OHS, PIRA, PROMT, RTECS*, SPECINFO,
 SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9243 REFERENCES IN FILE CA (1907 TO DATE)
 3097 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 9256 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 168 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

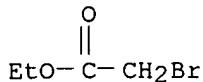
L2 ANSWER 34 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 105-36-2 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Acetic acid, bromo-, ethyl ester (6CI, 8CI, 9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN (Ethoxycarbonyl)methyl bromide
 CN α-Bromoacetic acid ethyl ester
 CN 2-Bromoacetic acid ethyl ester
 CN Antol
 CN Bromoacetic acid ethyl ester
 CN Ethyl α-bromoacetate
 CN Ethyl 2-bromoacetate
 CN Ethyl 2-bromoethanoate
 CN Ethyl bromacetate
 CN Ethyl bromoacetate
 CN Ethyl bromoethanoate
 CN Ethyl monobromoacetate
 CN NSC 8832
 FS 3D CONCORD
 DR 679806-14-5
 MF C4 H7 Br O2
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD,

CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MSDS-OHS, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8356 REFERENCES IN FILE CA (1907 TO DATE)

27 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

8370 REFERENCES IN FILE CAPLUS (1907 TO DATE)

43 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 35 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 98-88-4 REGISTRY

ED Entered STN: 16 Nov 1984

CN Benzoyl chloride (8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN Benzaldehyde, α -chloro-

CN Benzenecarbonyl chloride

CN Benzoic acid chloride

FS 3D CONCORD

MF C7 H5 Cl O

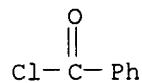
CI COM

LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VTB

(*File contains numerically searchable property data)

Other Sources: DSL**, EINECS**, TSCA**

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15950 REFERENCES IN FILE CA (1907 TO DATE)

407 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

15992 REFERENCES IN FILE CAPLUS (1907 TO DATE)

8 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 36 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 91-63-4 REGISTRY

ED Entered STN: 16 Nov 1984

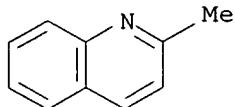
CN Quinoline, 2-methyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Quinaldine (8CI)

OTHER NAMES:

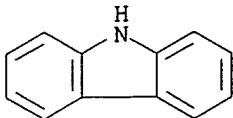
CN 2-Methylquinoline
CN Khinaldin
CN NSC 3397
FS 3D CONCORD
MF C10 H9 N
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPIUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1992 REFERENCES IN FILE CA (1907 TO DATE)
53 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1992 REFERENCES IN FILE CAPIUS (1907 TO DATE)
15 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 37 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN
RN 86-74-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 9H-Carbazole (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Carbazole (8CI)
OTHER NAMES:
CN 9-Azafluorene
CN Chlorophenesin carbamate
CN Dibenzopyrrole
CN Dibenzo[b,d]pyrrole
CN Diphenylenimine
CN NSC 3498
CN SKF 20091
FS 3D CONCORD
MF C12 H9 N
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPIUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DDFU, DETHERM*, DRUGU, EMBASE, ENCOMPLIT, ENCOMPLIT2, ENCOMPPAT, ENCOMPPAT2, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VTB
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5803 REFERENCES IN FILE CA (1907 TO DATE)
609 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
5816 REFERENCES IN FILE CAPLUS (1907 TO DATE)
5 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 38 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 85-02-9 REGISTRY

ED Entered STN: 16 Nov 1984

CN Benzo[f]quinoline (6CI, 8CI, 9CI) (CA INDEX NAME)

OTHER NAMES:

CN β -Naphthoquinoline

CN 1-Azaphenanthrene

CN 5,6-Benzoquinoline

CN 5,6-Benzo[f]quinoline

CN NSC 9850

FS 3D CONCORD

DR 76713-23-0

MF C13 H9 N

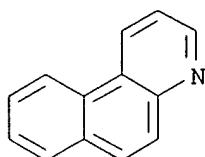
CI COM, RPS

LC STN Files: ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, CSNB, DETHERM*, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, RTECS*, SPECINFO, TOXCENTER, USPATFULL

(*File contains numerically searchable property data)

Other Sources: EINECS**

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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

899 REFERENCES IN FILE CA (1907 TO DATE)
49 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
899 REFERENCES IN FILE CAPLUS (1907 TO DATE)
51 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L2 ANSWER 39 OF 39 REGISTRY COPYRIGHT 2006 ACS on STN

RN 51-17-2 REGISTRY

ED Entered STN: 16 Nov 1984

CN 1H-Benzimidazole (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzimidazole (6CI, 8CI)

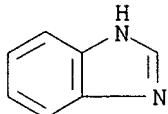
OTHER NAMES:

CN 1,3-Benzodiazole

CN 1,3-Diazaindene

CN 3-Azaindole

CN Azindole
CN Benziminazole
CN Benzoglyoxaline
CN Benzoimidazole
CN BZI
CN N,N'-Methenyl-o-phenylenediamine
CN NSC 759
CN o-Benzimidazole
FS 3D CONCORD
DR 25463-25-6, 79351-71-6, 116421-27-3
MF C7 H6 N2
CI COM, RPS
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CABAB, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, DDFU, DETHERM*, DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, PIRA, PROMT, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL, VETU, VTB
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
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PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6333 REFERENCES IN FILE CA (1907 TO DATE)
1941 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
6341 REFERENCES IN FILE CAPLUS (1907 TO DATE)
11 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> s 289705-41-5/rn or 289705-40-4/rn
1 289705-41-5/RN
1 289705-40-4/RN
L3 2 289705-41-5/RN OR 289705-40-4/RN

=> file caplus
COST IN U.S. DOLLARS
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SESSION
SESSION
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79.00

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FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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=> s 289705-41-5/rn or 289705-40-4/rn
1 289705-41-5
0 289705-41-5D
1 289705-41-5/RN
(289705-41-5 (NOTL) 289705-41-5D)
1 289705-40-4
0 289705-40-4D
1 289705-40-4/RN
(289705-40-4 (NOTL) 289705-40-4D)
L4 1 289705-41-5/RN OR 289705-40-4/RN

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L4 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:608618 CAPLUS
DOCUMENT NUMBER: 133:204807
TITLE: Molecules for the treatment and diagnosis of tumors
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2360419	AA	20000831	CA 2000-2360419	20000224
EP 1154798	A1	20011121	EP 2000-910711	20000224
EP 1154798	B1	20060510		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
JP 2002537360	T2	20021105	JP 2000-600696	20000224
AT 325624	E	20060615	AT 2000-910711	20000224
US 6844425	B1	20050118	US 2001-913788	20010815
US 2005019254	A1	20050127	US 2004-707994	20040130
PRIORITY APPLN. INFO.:			US 1999-121340P	P 19990224
			EP 1999-200754	A 19990312
			WO 2000-EP1553	W 20000224
			US 2001-913788	A1 20010815
REFERENCE COUNT:	10	THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

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---Logging off of STN---

=>
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=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	9.40	88.40

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PASSWORD:

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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREAPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and
USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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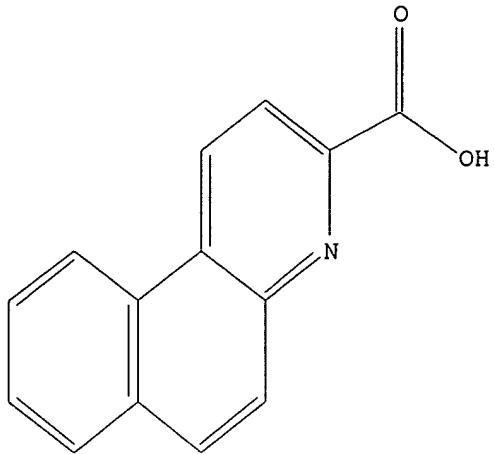
=> Uploading c:\program files\stnexp\queries\10707994 fig.2

L1 STRUCTURE uploaded

=> d 11

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s 11 exa full
 FULL SEARCH INITIATED 08:49:31 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 11 TO ITERATE

100.0% PROCESSED 11 ITERATIONS 1 ANSWERS
 SEARCH TIME: 00.00.01

L2 1 SEA EXA FUL L1

=> s 11 sss full
 FULL SEARCH INITIATED 08:49:42 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 240 TO ITERATE

100.0% PROCESSED 240 ITERATIONS 21 ANSWERS
 SEARCH TIME: 00.00.01

L3 21 SEA SSS FUL L1

	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	223.92	224.13

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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
 FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

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=> s 13
L4 29 L3

=> s 13/thu
29 L3
809336 THU/RL
L5 0 L3/THU
(L3 (L) THU/RL)

=> s 13/dgn
29 L3
66042 DGN/RL
L6 0 L3/DGN
(L3 (L) DGN/RL)

=> s 14 not py>1999
7119107 PY>1999
L7 28 L4 NOT PY>1999

=> s tumor? or cancer? or neoplas?
440617 TUMOR?
305237 CANCER?
462188 NEOPLAS?
L8 730006 TUMOR? OR CANCER? OR NEOPLAS?

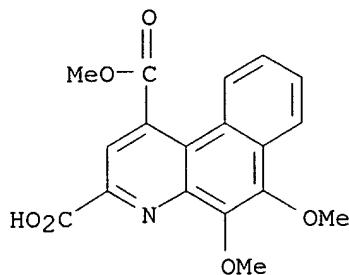
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L9 0 L8 AND L7

=> d ibib 17

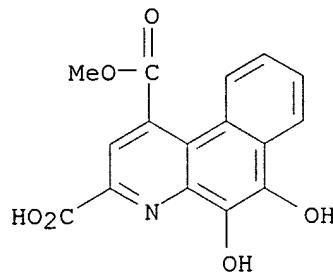
L7 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:413350 CAPLUS
DOCUMENT NUMBER: 122:176988
TITLE: Synthesis of Pyrroloquinolinequinone Analogs.
Molecular Structure and Moessbauer and Magnetic
Properties of Their Iron Complexes
AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;
Battioni, J.-P.; Donnadieu, B.; Verelst, M.;
Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.
CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse,
31077, Fr.
SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23
CODEN: INOCAJ; ISSN: 0020-1669
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English

=> d hitstr 17

L7 ANSWER 1 OF 28 CAPLUS COPYRIGHT 2006 ACS on STN
IT 161470-03-7P 161470-04-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and complexation with iron)
RN 161470-03-7 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester
(9CI) (CA INDEX NAME)



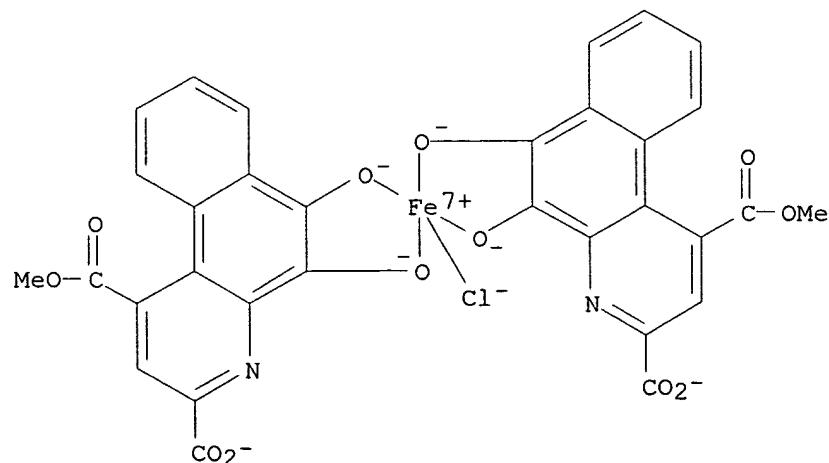
RN 161470-04-8 CAPLUS
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester
 (9CI) (CA INDEX NAME)



IT 161470-01-5P
 RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
 (preparation and magnetic moment of)
 RN 161470-01-5 CAPLUS
 CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-
 dicarboxylato(3-)O5,O6]-, compd. with N,N-diethylethanamine hydrochloride
 (1:2) (9CI) (CA INDEX NAME)

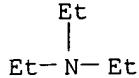
CM 1

CRN 161470-00-4
 CMF C32 H16 Cl Fe N2 O12
 CCI CCS



CM 2

CRN 554-68-7
CMF C6 H15 N . Cl H



● HCl

=> d his

(FILE 'HOME' ENTERED AT 08:47:38 ON 11 SEP 2006)

FILE 'REGISTRY' ENTERED AT 08:48:06 ON 11 SEP 2006

L1 STRUCTURE UPLOADED
L2 1 S L1 EXA FULL
L3 21 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 08:49:49 ON 11 SEP 2006

L4 29 S L3
L5 0 S L3/THU
L6 0 S L3/DGN
L7 28 S L4 NOT PY>1999
L8 730006 S TUMOR? OR CANCER? OR NEOPLAS?
L9 0 S L8 AND L7

=> s technium

L10 2 TECHNIUM

=> s Tc99

L11 147 TC99

=> s l11 and l4

L12 0 L11 AND L4

=> s antibod? and l4

470558 ANTIBOD?
L13 0 ANTIBOD? AND L4

=> s radio? and l4

639924 RADIO?
L14 1 RADIO? AND L4

=> d ibib

L14 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:608618 CAPLUS
DOCUMENT NUMBER: 133:204807
TITLE: Molecules for the treatment and diagnosis of tumors
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2360419	AA	20000831	CA 2000-2360419	20000224
EP 1154798	A1	20011121	EP 2000-910711	20000224
EP 1154798	B1	20060510		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
JP 2002537360	T2	20021105	JP 2000-600696	20000224
AT 325624	E	20060615	AT 2000-910711	20000224
US 6844425	B1	20050118	US 2001-913788	20010815
US 2005019254	A1	20050127	US 2004-707994	20040130
PRIORITY APPLN. INFO.:			US 1999-121340P	P 19990224
			EP 1999-200754	A 19990312
			WO 2000-EP1553	W 20000224
			US 2001-913788	A1 20010815
REFERENCE COUNT:	10	THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	29.21	253.34

STN INTERNATIONAL LOGOFF AT 08:56:34 ON 11 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:

x

Welcome to STN International! Enter x:

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREAPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and
USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in
INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 18 SEP 11 CA/CAplus enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

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FILE 'HOME' ENTERED AT 11:15:54 ON 11 SEP 2006

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:16:16 ON 11 SEP 2006
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>
Uploading c:\program files\stnexp\queries\10707994 fig.2

L1 STRUCTURE UPLOADED

=>

---Logging off of STN---

=>
Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.44	0.65

STN INTERNATIONAL LOGOFF AT 11:16:43 ON 11 SEP 2006

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006
NEWS 4 MAY 10 CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS 5 MAY 11 KOREPAT updates resume
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAplus and
 USPATFULL/USPAT2
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAplus
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in

INPADOC
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and
and display fields
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced
NEWS 13 JUL 14 FSTA enhanced with Japanese patents
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 17 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes
NEWS 18 SEP 11 CA/CAplus enhanced with more pre-1907 records

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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FILE 'HOME' ENTERED AT 11:18:15 ON 11 SEP 2006

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 11:18:27 ON 11 SEP 2006
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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<http://www.cas.org/ONLINE/UG/reqprops.html>

```
=>
Uploading c:\program files\stnexp\queries\10707994 fig.2b
```

```
L1      STRUCTURE UPLOADED
```

```
=> s 11 exa full
FULL SEARCH INITIATED 11:18:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      22 TO ITERATE
```

```
100.0% PROCESSED      22 ITERATIONS      1 ANSWERS
SEARCH TIME: 00.00.01
```

```
L2      1 SEA EXA FUL L1
```

```
=> file caplus
COST IN U.S. DOLLARS      SINCE FILE      TOTAL
                           ENTRY      SESSION
FULL ESTIMATED COST      56.54      56.75
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```
FILE 'CAPLUS' ENTERED AT 11:18:51 ON 11 SEP 2006
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```
FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)
```

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```
=> s 11
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.
```

```
SAMPLE SEARCH INITIATED 11:18:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      74 TO ITERATE
```

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100.0% PROCESSED      74 ITERATIONS      2 ANSWERS
SEARCH TIME: 00.00.01
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```
FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                           BATCH   **COMPLETE**
PROJECTED ITERATIONS:      964 TO      1996
PROJECTED ANSWERS:         2 TO       124
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```
L3      2 SEA SSS SAM L1
```

L4

6 L3

=> d ibib 1-6

L4 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1980:171538 CAPLUS
DOCUMENT NUMBER: 92:171538
TITLE: Reductive electrochemical carboxylation of nitrogen heterocycles
AUTHOR(S): Hess, Ulrich; Fuchs, Peter; Jacob, Elke; Lund, Henning
CORPORATE SOURCE: Sekt. Chem., Humboldt-Univ., Berlin, DDR-104, Ger.
Dem. Rep.
SOURCE: Zeitschrift fuer Chemie (1980), 20(2), 64-5
DOCUMENT TYPE: CODEN: ZECEAL; ISSN: 0044-2402
Journal
LANGUAGE: German

L4 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1978:6691 CAPLUS
DOCUMENT NUMBER: 88:6691
TITLE: Synthesis of 3-carbethoxy-8-methoxybenzo[f]isoquinoline as a key intermediate in the synthesis of 14-aza-13-norequilenin methyl ether
AUTHOR(S): Mahajan, R. K.; Singh, Manmohan
CORPORATE SOURCE: Dep. Chem., Himachal Pradesh Univ., Simla, India
SOURCE: Indian Journal of Chemistry, Section B: Organic Chemistry Including Medicinal Chemistry (1977), 15B(5), 491-2
CODEN: IJSBDB; ISSN: 0376-4699
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 88:6691

L4 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1975:593579 CAPLUS
DOCUMENT NUMBER: 83:193579
TITLE: Total synthesis of 13- and 14-azaequilenines by heterocycloaddition
AUTHOR(S): Zunnebeld, W. A.; Speckamp, W. N.
CORPORATE SOURCE: Lab. Org. Chem., Univ. Amsterdam, Amsterdam, Neth.
SOURCE: Tetrahedron (1975), 31(15), 1717-21
CODEN: TETRAB; ISSN: 0040-4020
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1970:473505 CAPLUS
DOCUMENT NUMBER: 73:73505
TITLE: Androgenic, antiandrogenic, and anabolic activity of azasteroids on immature castrated rats
AUTHOR(S): Saksena, S. K.; Chaudhury, Ranjit R.
CORPORATE SOURCE: Dep. Pharmacol., Postgrad. Inst. Med. Educ. Res., Chandigarh, India
SOURCE: Indian Journal of Medical Research (1913-1988) (1970), 58(4), 513-18
CODEN: IJMRAQ; ISSN: 0019-5340
DOCUMENT TYPE: Journal
LANGUAGE: English

L4 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1966:75962 CAPLUS

DOCUMENT NUMBER: 64:75962
ORIGINAL REFERENCE NO.: 64:14243c-g
TITLE: Aza steroids
INVENTOR(S): R. H. Jones, Emrys
PATENT ASSIGNEE(S): Imperial Chemical Industries Ltd.
SOURCE: 4 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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GB 1017700		19660119	GB	19630515

L4 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1965:454552 CAPLUS
DOCUMENT NUMBER: 63:54552
ORIGINAL REFERENCE NO.: 63:9912a-e
TITLE: Reaction of α -halo esters on α -amino ethers and α -amino nitriles in the presence of zinc or magnesium
AUTHOR(S): Canceill, Josette; Jacques, Jean
CORPORATE SOURCE: College de France, Paris
SOURCE: Bulletin de la Societe Chimique de France (1965), (4), 903-9
DOCUMENT TYPE: Journal
LANGUAGE: French
OTHER SOURCE(S): CASREACT 63:54552

=> s 13
L5 6 L3

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 7.30 64.95

FILE 'REGISTRY' ENTERED AT 11:19:42 ON 11 SEP 2006
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STRUCTURE FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8
DICTIONARY FILE UPDATES: 10 SEP 2006 HIGHEST RN 906318-57-8

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TSCA INFORMATION NOW CURRENT THROUGH June 30, 2006

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s 11 sss full
FULL SEARCH INITIATED 11:19:49 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1257 TO ITERATE

100.0% PROCESSED 1257 ITERATIONS 37 ANSWERS
SEARCH TIME: 00.00.01

L6 37 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
166.94 231.89

FILE 'CAPLUS' ENTERED AT 11:19:53 ON 11 SEP 2006
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FILE COVERS 1907 - 11 Sep 2006 VOL 145 ISS 12
FILE LAST UPDATED: 10 Sep 2006 (20060910/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 16
L7 37 L6

=> s cancer? or tumor? or neoplas?
305237 CANCER?
440617 TUMOR?
462188 NEOPLAS?
L8 730006 CANCER? OR TUMOR? OR NEOPLAS?

=> s 18 and 17
L9 1 L8 AND L7

=> d ibib

L9 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2000:608618 CAPLUS
DOCUMENT NUMBER: 133:204807
TITLE: Molecules for the treatment and diagnosis of tumors
INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger
PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2360419	AA	20000831	CA 2000-2360419	20000224
EP 1154798	A1	20011121	EP 2000-910711	20000224
EP 1154798	B1	20060510		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY				
JP 2002537360	T2	20021105	JP 2000-600696	20000224
AT 325624	E	20060615	AT 2000-910711	20000224
US 6844425	B1	20050118	US 2001-913788	20010815
US 2005019254	A1	20050127	US 2004-707994	20040130
PRIORITY APPLN. INFO.:			US 1999-121340P	P 19990224
			EP 1999-200754	A 19990312
			WO 2000-EP1553	W 20000224
			US 2001-913788	A1 20010815
REFERENCE COUNT:	10	THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT		

=> s 17 and metal

1675553 METAL

846029 METALS

2032939 METAL

(METAL OR METALS)

L10 10 L7 AND METAL

=> d ibib 1-5

L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 2000:608618 CAPLUS

DOCUMENT NUMBER: 133:204807

TITLE: Molecules for the treatment and diagnosis of tumors

INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger

PATENT ASSIGNEE(S): Mallinckrodt Inc., USA

SOURCE: PCT Int. Appl., 28 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				

CA 2360419	AA 20000831	CA 2000-2360419	20000224
EP 1154798	A1 20011121	EP 2000-910711	20000224
EP 1154798	B1 20060510		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, CY			
JP 2002537360	T2 20021105	JP 2000-600696	20000224
AT 325624	E 20060615	AT 2000-910711	20000224
US 6844425	B1 20050118	US 2001-913788	20010815
US 2005019254	A1 20050127	US 2004-707994	20040130
PRIORITY APPLN. INFO.:		US 1999-121340P	P 19990224
		EP 1999-200754	A 19990312
		WO 2000-EP1553	W 20000224
		US 2001-913788	A1 20010815

REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1995:413350 CAPLUS
 DOCUMENT NUMBER: 122:176988
 TITLE: Synthesis of Pyrroloquinolinequinone Analogs.
 Molecular Structure and Moessbauer and Magnetic Properties of Their Iron Complexes
 AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.; Battioni, J.-P.; Donnadieu, B.; Verelst, M.; Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.
 CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse, 31077, Fr.
 SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23
 CODEN: INOCAJ; ISSN: 0020-1669
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English

L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1957:900 CAPLUS
 DOCUMENT NUMBER: 51:900
 ORIGINAL REFERENCE NO.: 51:125h-i,126a
 TITLE: 5,6-Benzoquinaldinic acid as an analytical reagent. I. Determination of thorium and zirconium
 AUTHOR(S): Majumdar, Anil Kumar; Banerjee, Siddheswar
 CORPORATE SOURCE: Coll. Eng. Tech., Bengal, Calcutta
 SOURCE: Analytica Chimica Acta (1956), 14, 306-10
 CODEN: ACACAM; ISSN: 0003-2670
 DOCUMENT TYPE: Journal
 LANGUAGE: English

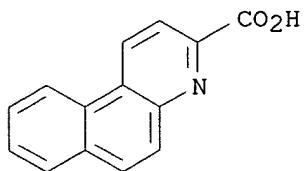
L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1955:83186 CAPLUS
 DOCUMENT NUMBER: 49:83186
 ORIGINAL REFERENCE NO.: 49:15612c-d
 TITLE: 5,6-Benzoquinaldinic acid as an analytical reagent. V. Separation of cadmium from different elements
 AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar
 CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta
 SOURCE: J. Indian Chem. Soc. (1955), 32, 85-8
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable

L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1954:31977 CAPLUS
 DOCUMENT NUMBER: 48:31977
 ORIGINAL REFERENCE NO.: 48:5713b-e
 TITLE: Diphenylcarbazone as a colorimetric reagent for bivalent chromium

AUTHOR(S): Bose, Monisha
CORPORATE SOURCE: Univ. Coll. Sci., Calcutta
SOURCE: Science and Culture (1953), 19, 213-14
CODEN: SCINAL; ISSN: 0036-8156
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable

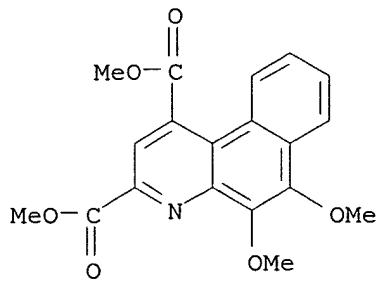
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L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 289661-18-3P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(radiolabeled complexes for treatment and diagnosis of tumors)
RN 289661-18-3 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)

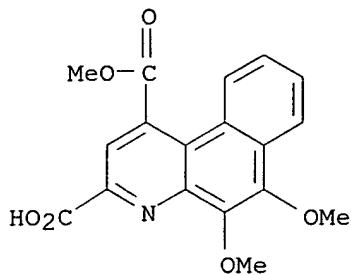


● HBr

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 161470-07-1P, 5,6-Dimethoxy-1,3-bis(methoxycarbonyl)benzo[f]quinol
ine
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and base hydrolysis of)
RN 161470-07-1 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, dimethyl ester
(9CI) (CA INDEX NAME)

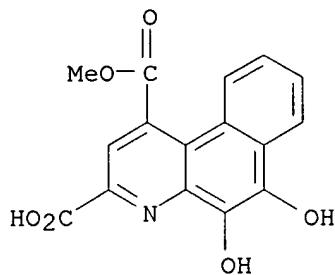


IT 161470-03-7P 161470-04-8P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(preparation and complexation with iron)
RN 161470-03-7 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester
(9CI) (CA INDEX NAME)



RN 161470-04-8 CAPLUS

CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester
(9CI) (CA INDEX NAME)



IT 161470-01-5P

RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and magnetic moment of)

RN 161470-01-5 CAPLUS

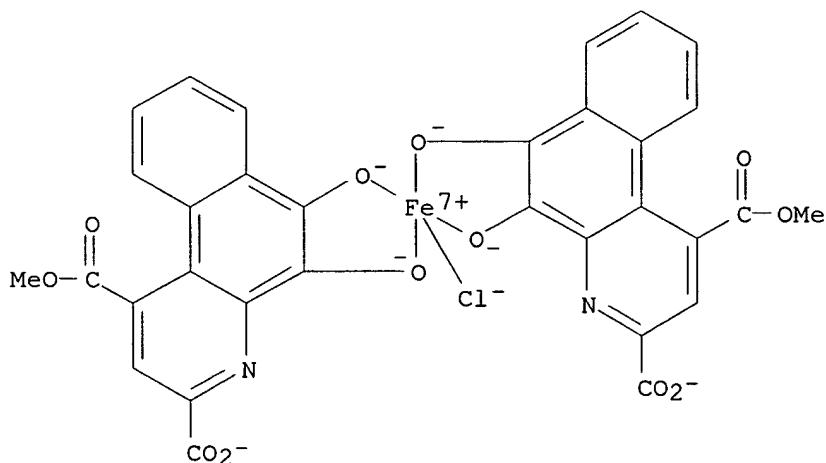
CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-dicarboxylato(3-)O5, O6]-, compd. with N,N-diethylethanamine hydrochloride (1:2) (9CI) (CA INDEX NAME)

CM 1

CRN 161470-00-4

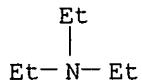
CMF C32 H16 Cl Fe N2 O12

CCI CCS



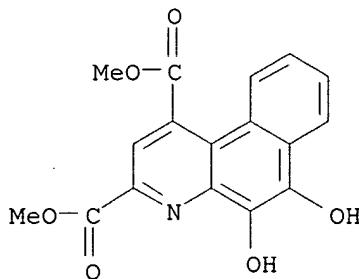
CM 2

CRN 554-68-7
CMF C6 H15 N . Cl H

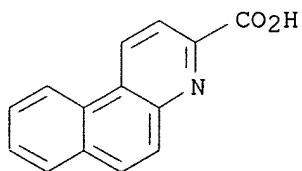


● HCl

IT 142422-23-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, protection, oxidation, base hydrolysis, and complexation with iron)
RN 142422-23-9 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, dimethyl ester (9CI) (CA INDEX NAME)

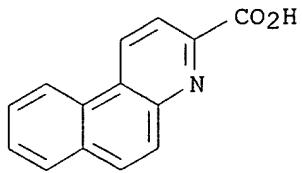


L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(formed therefrom, in titanium determination)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

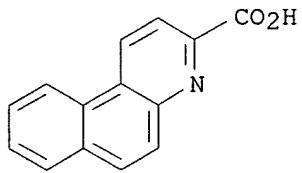


(in analysis of Th and Zr, and compds. formed therefrom
(in titanium detn., and Ti deriv. formed therefrom

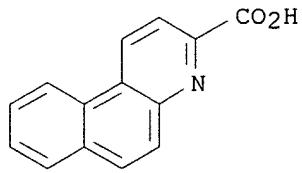
L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in cadmium determination)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



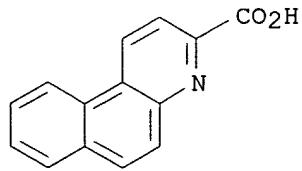
L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in analysis)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



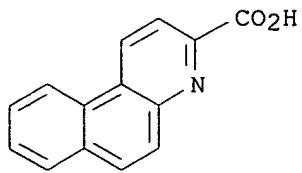
L10 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in analysis)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



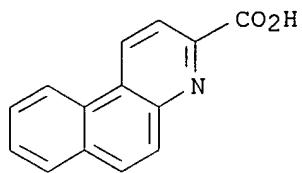
L10 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(and salts, in analytical chemistry)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



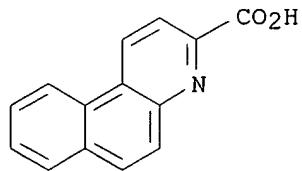
L10 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in cadmium determination)
RN 65714-31-0 CAPLUS
CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 IT 65714-31-0, 5,6-Benzoquininaldic acid
 (in analysis)
 RN 65714-31-0 CAPLUS
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 IT 65714-31-0, 5,6-Benzoquinoline-3-carboxylic acid
 (preparation of)
 RN 65714-31-0 CAPLUS
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)

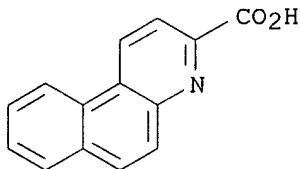


=> d ibib abs hitstr 1-10

L10 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 2000:608618 CAPLUS
 DOCUMENT NUMBER: 133:204807
 TITLE: Molecules for the treatment and diagnosis of tumors
 INVENTOR(S): Alberto, Roger Ariel; Schibli, Roger
 PATENT ASSIGNEE(S): Mallinckrodt Inc., USA
 SOURCE: PCT Int. Appl., 28 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000050086	A1	20000831	WO 2000-EP1553	20000224
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA,				

MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,
 SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW
 RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE,
 DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
 CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 CA 2360419 AA 20000831 CA 2000-2360419 20000224
 EP 1154798 A1 20011121 EP 2000-910711 20000224
 EP 1154798 B1 20060510
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, CY
 JP 2002537360 T2 20021105 JP 2000-600696 20000224
 AT 325624 E 20060615 AT 2000-910711 20000224
 US 6844425 B1 20050118 US 2001-913788 20010815
 US 2005019254 A1 20050127 US 2004-707994 20040130
 PRIORITY APPLN. INFO.: US 1999-121340P P 19990224
 EP 1999-200754 A 19990312
 WO 2000-EP1553 W 20000224
 US 2001-913788 A1 20010815
 AB The invention relates to mols. for treatment and diagnosis of tumors and
 malignancies, comprising a tumor seeking biomol., which is coupled to an
 intercalating moiety, which is capable of complexing a metal,
 which metal is preferably a radioactive metal, to the
 use of these mols. and to therapeutic and diagnostic compns. containing them.
 IT 289661-18-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (radiolabeled complexes for treatment and diagnosis of tumors)
 RN 289661-18-3 CAPLUS
 CN Benzo[f]quinoline-3-carboxylic acid, hydrobromide (9CI) (CA INDEX NAME)



● HBr

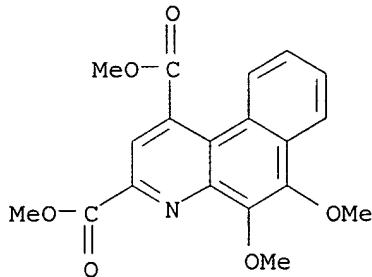
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1995:413350 CAPLUS
 DOCUMENT NUMBER: 122:176988
 TITLE: Synthesis of Pyrroloquinolinequinone Analogs.
 Molecular Structure and Moessbauer and Magnetic
 Properties of Their Iron Complexes
 AUTHOR(S): Tommasi, L.; Shechter-Barloy, L.; Varech, D.;
 Battioni, J.-P.; Donnadieu, B.; Verelst, M.;
 Bousseksou, A.; Mansuy, D.; Tuchagues, J.-P.
 CORPORATE SOURCE: Laboratoire de Chimie de Coordination, CNRS, Toulouse,
 31077, Fr.
 SOURCE: Inorganic Chemistry (1995), 34(6), 1514-23
 CODEN: INOCAJ; ISSN: 0020-1669
 PUBLISHER: American Chemical Society
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Four complexes, FeII(L2)2 (1), [FeII(L2)(Cl)(MeOH)2]2 (2), FeII(L3H2)2
 (3), and FeIII(L4)2Cl·2(Et3N·HCl)·0.5MeCN (4),

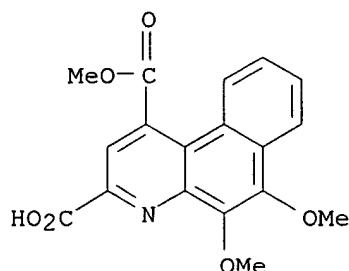
wherein L2H, L3H3, and L4H are analogs of pyrroloquinolinequinone or methoxatin (PQQ), were synthesized and studied. 2 Crystallizes in the triclinic system, space group P.hivin.1, $Z = 2$, $a = 9.588(6)$, $b = 10.011(7)$, $c = 11.770(5)$ Å, $\alpha = 96.66(5)$, $\beta = 99.21(5)$, and $\gamma = 107.93(7)$ °. The structure was solved by direct methods and refined to conventional agreement indexes $R = 0.054$ and $Rw = 0.063$ with 2683 unique reflections for which $I > 3\sigma(I)$. The mol. structure of 2 consists of discrete $[\text{FeII(L2)}(\text{Cl})(\text{MeOH})_2]$ mols. associated into dimeric units through the carboxylate function of L2. The carboxylate O atoms of the two mols. constituting the dimeric unit bridge the metal centers affording a $\text{Fe}\cdots\text{Fe}'$ separation of 3.645(4) Å.

The distorted coordination octahedron around each Fe(II) includes the pyridine N and carboxylate O atoms of L2, the chloride anion, and the O atom of two MeOH mols. The synthesis and IR, Moessbauer, and magnetic susceptibility studies of 1-4 evidence the variety of structural types and nuclearities obtained for Fe complexes of PQQ analogs, depending upon the stoichiometry and pH of the reactions. Complexes 1 and 3 (mononuclear) and 4 (polynuclear) were characterized by the 1:2 Fe:L ratio while complex 2 (dimer) was characterized by the 1:1 Fe:L ratio. Among the analogs used, those of the reduced form of PQQ chelate Fe through their tridentate site while chelation occurs preferentially at the quinonic site for the analog of the oxidized form of PQQ.

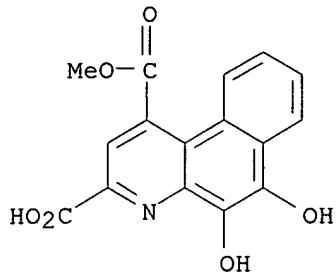
IT 161470-07-1P, 5,6-Dimethoxy-1,3-bis(methoxycarbonyl)benzo[f]quinol ine
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and base hydrolysis of)
 RN 161470-07-1 CAPLUS
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, dimethyl ester (9CI) (CA INDEX NAME)



IT 161470-03-7P 161470-04-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and complexation with iron)
 RN 161470-03-7 CAPLUS
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dimethoxy-, 1-methyl ester (9CI) (CA INDEX NAME)



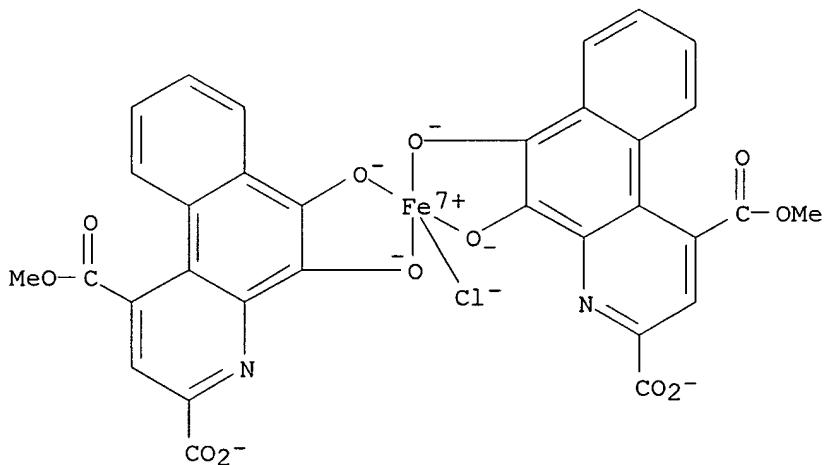
RN 161470-04-8 CAPLUS
CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, 1-methyl ester
(9CI) (CA INDEX NAME)



IT 161470-01-5P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and magnetic moment of)
RN 161470-01-5 CAPLUS
CN Iron, chlorobis[1-methyl 5,6-dihydroxybenzo[f]quinoline-1,3-
dicarboxylato(3-)O5,O6]-, compd. with N,N-diethylethanamine hydrochloride
(1:2) (9CI) (CA INDEX NAME)

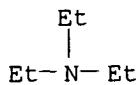
CM 1

CRN 161470-00-4
CMF C32 H16 Cl Fe N2 O12
CCI CCS



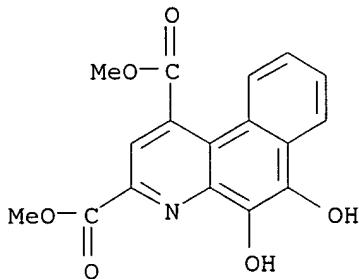
CM 2

CRN 554-68-7
CMF C6 H15 N . Cl H

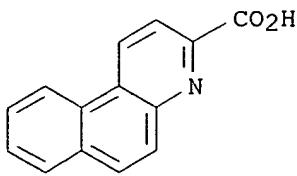


● HCl

IT 142422-23-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation, protection, oxidation, base hydrolysis, and complexation with
 iron)
 RN 142422-23-9 CAPLUS
 CN Benzo[f]quinoline-1,3-dicarboxylic acid, 5,6-dihydroxy-, dimethyl ester
 (9CI) (CA INDEX NAME)

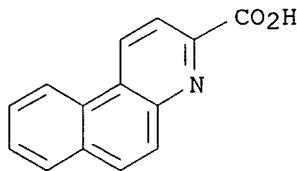


L10 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1957:900 CAPLUS
 DOCUMENT NUMBER: 51:900
 ORIGINAL REFERENCE NO.: 51:125h-i,126a
 TITLE: 5,6-Benzoquinaldinic acid as an analytical reagent. I.
 Determination of thorium and zirconium
 AUTHOR(S): Majumdar, Anil Kumar; Banerjee, Siddheswar
 CORPORATE SOURCE: Coll. Eng. Tech., Bengal, Calcutta
 SOURCE: Analytica Chimica Acta (1956), 14, 306-10
 CODEN: ACACAM; ISSN: 0003-2670
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB cf. C.A. 48, 4358i, 5713b. 5,6-Benzoquinaldinic acid (I) ppts. Th
 quantitatively at pH 3.0 or greater to form the anhydrous compound
 $\text{Th}(\text{C14H8O2N})_4$ which can be weighed as such after drying at 110° or
 after washing with alc. and acetone, or which can be ignited to the oxide.
 The precipitation of Zr with I is quant. at pH values of 1.8 or greater, but
 the
 precipitate varies in composition, hence must be ignited to the oxide.
 Separation of Th
 and Zr from the rare earths is accomplished by simple precipitation from acid
 solution. The tendency of Mg and the alkaline earths to coppt. is countered by
 the addition of NH_4Cl .
 IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
 (formed therefrom, in titanium determination)
 RN 65714-31-0 CAPLUS
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



(in analysis of Th and Zr, and compds. formed therefrom
 (in titanium detn., and Ti deriv. formed therefrom

L10 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1955:83186 CAPLUS
 DOCUMENT NUMBER: 49:83186
 ORIGINAL REFERENCE NO.: 49:15612c-d
 TITLE: 5,6-Benzoquininaldic acid as an analytical reagent. V.
 Separation of cadmium from different elements
 AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar
 CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta
 SOURCE: J. Indian Chem. Soc. (1955), 32, 85-8
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB cf. C.A. 48, 4358i. The reagent 5,6-benzoquininaldic acid can be used for the estimation of Cd and for its separation from tartrate, phosphate, arsenate, vanadate, tungstate, molybdate, alkaline earths, Ag, Hg, Pb, Be, Th, Zr, U, rare earths, Fe, Al, Cr, Ti, Bi, Sb, and Sn either by the proper control of pH or by the use of complexing agents, such as thiourea and tartrate.
 IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
 (in cadmium determination)
 RN 65714-31-0 CAPLUS
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1954:31977 CAPLUS
 DOCUMENT NUMBER: 48:31977
 ORIGINAL REFERENCE NO.: 48:5713b-e
 TITLE: Diphenylcarbazone as a colorimetric reagent for bivalent chromium
 AUTHOR(S): Bose, Monisha
 CORPORATE SOURCE: Univ. Coll. Sci., Calcutta
 SOURCE: Science and Culture (1953), 19, 213-14
 CODEN: SCINAL; ISSN: 0036-8156
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB Diphenylcarbazone gives an intense red-violet coloration with Cr⁺⁺ (C.A. 47, 10495a). This reaction is suitable for detecting and estimating Cr⁺⁺. The addition of Cr⁺⁺ to an excess of carbazole solution produces a deep red-violet coloration due to the formation of a chromous-carbazone inner-metallic complex. The complex has an absorption maximum at 540 m μ . The acidity of the solution influences the intensity of the color, but as the interference caused by many cations can be minimized by mineral acids in excess, it is necessary to have the solution 0.1N in acid in the presence of excess of the

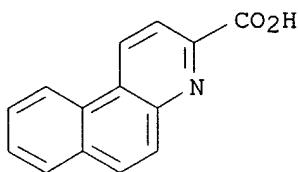
reagent. The only interfering element is Hg, which gives a blue-violet coloration. This can be greatly reduced by the addition of NaCl. Chromate or any other oxidizing agent must be absent. As little as 0.1 γ per cc. can be detected this way. The chromous-carbazone system can also be used for the determination of Cr++. Since the presence of air interferes with the

intensity of color, the exclusion of air during addition of CrSO₄ and subsequent color development is imperative. The color is stable for several hrs. The optical ds., however, should be measured almost immediately.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in analysis)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1954:31976 CAPLUS

DOCUMENT NUMBER: 48:31976

ORIGINAL REFERENCE NO.: 48:5713b

TITLE: 5,6-Benzoquininaldic acid as an analytical reagent

AUTHOR(S): Majumdar, Anil Kumar

CORPORATE SOURCE: Coll. Eng. Technol., Calcutta

SOURCE: Science and Culture (1953), 19, 265-6

CODEN: SCINAL; ISSN: 0036-8156

DOCUMENT TYPE: Journal

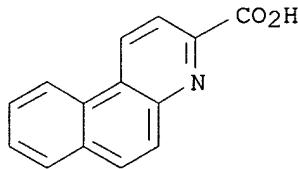
LANGUAGE: Unavailable

AB cf. C.A. 47, 2628c, 10398f; 48, 1195d. The reagent is used to detect Mg, Hg, and other elements.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in analysis)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1953:61397 CAPLUS

DOCUMENT NUMBER: 47:61397

ORIGINAL REFERENCE NO.: 47:10398f-h

TITLE: 5, 6-Benzoquininaldic acid as an analytical reagent.
III. Estimation of zinc, cobalt, nickel, and manganese

AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar

CORPORATE SOURCE: Coll. Eng. Technol., Bengal, Calcutta

SOURCE: J. Indian Chem. Soc. (1953), 30, 123-8

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

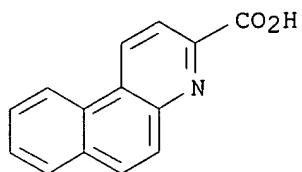
AB cf. C.A. 47, 2628c. The reagent 5, 6-benzoquininaldic acid was used for the estimation of Zn, Co, Ni, and Mn, the study of the pH ranges over which they are accurately estimated and the effect of temperature on their salts.

The points of incipient precipitation for the elements, Zn, Co, Ni, and Mn are at about pH 2.08, 2.14, 2.15 and 1.75, resp., and for their complete precipitation 2.85, 3.24, 3.00, and 2.90. The salts can be dried at 110-115° and weighed as the hydrated salts, e.g., Zn with 1 mole of H₂O, Co with 2, and both Ni and Mn with 2.5 moles of H₂O. The Co salt can also be dried at 150-155° and weighed as the anhydrous salt.

IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(and salts, in analytical chemistry)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1953:15170 CAPLUS

DOCUMENT NUMBER: 47:15170

ORIGINAL REFERENCE NO.: 47:2628b-d

TITLE: 5,6-Benzoquininaldic acid as an analytical reagent.
II. Estimation of cadmium and its separation from copper

AUTHOR(S): Majumdar, Anil Kumar; De, Anil Kumar

CORPORATE SOURCE: Coll. Eng. Technol., Calcutta

SOURCE: J. Indian Chem. Soc. (1952), 29, 499-506

DOCUMENT TYPE: Journal

LANGUAGE: Unavailable

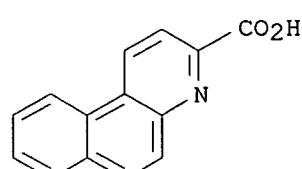
AB cf. ibid. 255-62. Cd is completely precipitated with 5, 6-benzoquininaldic acid

(I) from solns. of pH 3.12-9.40. The precipitate formed below pH 3.85 has the formula Cd(C₁₄H₈NO₂)₂.1.5 H₂O when dried at 105-110°; this loses H₂O at 122°, forming the anhydrous salt, which is stable up to 269°. If the pH is above 3.85, the salt retains excess H₂O which can only be removed by drying at 170-175°, and in addition the precipitate is less crystalline and less well adapted to filtration and washing. For the determination of Cd in the presence of Cu, the Cu is first precipitated with I at pH 1.15-1.85, then the filtrate is brought to pH 3.12-3.85 for the precipitation of Cd.

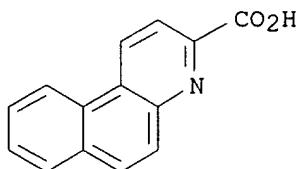
IT 65714-31-0, Benzo[f]quinoline-3-carboxylic acid
(in cadmium determination)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1949:38498 CAPLUS
 DOCUMENT NUMBER: 43:38498
 ORIGINAL REFERENCE NO.: 43:6935c-e
 TITLE: 5,6-Benzoquininaldic acid as an analytical reagent
 AUTHOR(S): Mallik, Ajit Kumar; Mazumdar, Anil Kumar
 SOURCE: Science and Culture (1949), 14, 477-8
 CODEN: SCINAL; ISSN: 0036-8156
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB Practically all bivalent metals are precipitated by 5,6-benzoquininaldic acid. Cu gives a light green crystalline precipitate, Cd, Co, Ni, Mg, Ca, Sr, Ba, Zn, Mn, Ag, Hg, and Pb give white ppts. The Cu salt is sparingly soluble in dilute mineral acid and AcOH, soluble in concentrated acid, excess NH4OH, and CN- solution
 Ba, Ca, and Sr salts are soluble in hot water. Zn, Mn, Ag, Cd, Co, and Ni salts are soluble in CN- solution The Pb and Hg salts are soluble in NH4OAc.
 The reagent can be used in the determination of Cu. The composition of the Cu salt, dried at 110-20°, is C14H8NO2Cu.11/2H2O. The Fe++ salt is red, dissolves in CN- solution, and the intensity of the color of this solution varies with Fe++ concentration; this suggests the use of 5,6-benzoquininaldic acid in the colorimetric determination of Fe.
 IT 65714-31-0, 5,6-Benzoquininaldic acid
 (in analysis)
 RN 65714-31-0 CAPLUS
 CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



L10 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1935:19788 CAPLUS
 DOCUMENT NUMBER: 29:19788
 ORIGINAL REFERENCE NO.: 29:2536i,2537a-g
 TITLE: Action of cyanogen iodide on quinolines
 AUTHOR(S): Mumm, Otto; Bruhn, Christian
 SOURCE: Berichte der Deutschen Chemischen Gesellschaft [Abteilung] B: Abhandlungen (1935), 68B, 176-83
 CODEN: BDCBAD; ISSN: 0365-9488
 DOCUMENT TYPE: Journal
 LANGUAGE: Unavailable
 AB BrCN and HCN acting simultaneously at room temperature in ether on quinoline (I) give the so-called quinoline dicyanide, C9H7N(CN)2, which shows an interesting isomerism phenomenon (C. A. 29, 1821.7.). ClCN behaves like BrCN. The present work with ICN was undertaken in the hope of shedding light on the isomerism but ICN was found to act entirely differently. The course of the reaction is not influenced by the presence or absence of HCN, and the product, I. ICN, is of an entirely different character. It is completely stable toward water and even toward KCN or HCN; the reaction takes place with equal ease with all quinolines, even when they are α -or ω -substituted; the products give no precipitate with AgNO3 in dilute HNO3, and no I or CN ion can be detected after long shaking in aqueous

suspension with BaCO₃ or saturated NaHCO₃; the compds. are insol. in water but easily soluble in dilute acids. The quinoline component can, however, easily be removed by means of all substances which form difficultly soluble ppts. with I (picric acid, HClO₄, tartaric acid, Hg(CN)₂) either in alc. or in ether. Concentrated HCl gives the compound I.ICl.HCl (II), m. 118° (Dittmar, Ber. 18, 1613(1885)), and HBr and HI yield the corresponding compds., also all long since known. II is formed either from the dry I.ICN with concentrated aqueous or alc. HCl in the cold or in benzene with HCl gas.

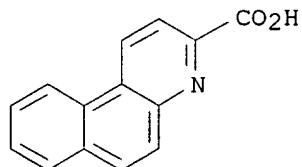
The earlier workers failed to observe that when II is recrystd. from AcOEt it is partly converted into a new compound insol. in AcOEt (when II is heated above 100° the conversion is quant.) which m. 123° and is bimol., II.I.HCl (III); on recrystn. from dilute HCl it regenerates II, but from aqueous alc. it seps. as I.ICl, m. 157° (which is also formed directly from II by long shaking with an aqueous suspension of BaCO₃, with cold saturated NaHCO₃, or with much cold water). Both of these compds., like I.ICN, give a precipitate of quinoline picrate with picric acid. With NH₃ in cold water, II gives C₉H₇NI.HI, m. 90-1°. All the above properties of I.ICN are best explained by assigning to it a structure similar to that of the complex metal-am-monnia compds. The following compds. of the type I.ICN were prepared: Quinoline, m. 104°; p-toluquinoline, m. 55-6°; quinaldine, m. 98°; α-naphthoquinoline, m. 116-17°; the corresponding compds. of the type II (quinolinium dichloroiodides), obtained from the above with concentrated HCl, m. 118-20°, 146-8°, 112-13°, 166°, and at 100° change into the compds. III (quinolinium trichloroiodides), m. 123°, -148-9°, 194-5°. In an attempt to effect an isomerization such as had been observed with the BrCN compds., β-naphthoquinoline-ICN was slowly heated to 130° whereupon a very vigorous reaction set in, yielding a bimol. compound rich in I which, on boiling with NaOH and subsequent treatment with 50% AcOH, gave β-naphthoquinoline-α-carboxylic acid, m. 188-90°.

IT 65714-31-0, 5,6-Benzoquinoline-3-carboxylic acid

(preparation of)

RN 65714-31-0 CAPLUS

CN Benzo[f]quinoline-3-carboxylic acid (6CI, 7CI, 9CI) (CA INDEX NAME)



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---Logging off of STN---

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Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
91.74	323.63

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY	SESSION
	-7.50	-7.50

STN INTERNATIONAL LOGOFF AT 11:23:10 ON 11 SEP 2006